

**ABSTRACT**

A method of forming an electrically conductive structure on a substrate. An electrically conductive electrode layer is formed on the substrate, and an electrically conductive conduction layer is formed over the electrode layer. The conduction layer is formed by placing the substrate in a plating solution. A first current is applied to the substrate at a first bias and a first density for a first duration. A second current is applied to the substrate at a second bias and a second density for a second duration. The first current and the second current are cyclically applied at a frequency of between about thirty hertz and about one hundred and thirty hertz.

56785.pap.doc

095654-092804  
T08260-1599660